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REMARKS

Claims 1-6, 14, 17 and 20-26 are presently being examined in this application.

Claims 14, 17 and 20 have been amended to more particularly define the claimed invention.

Claims 21-26 have been added. Claims 7-13, 15-16 and 18-19 have been previously

withdrawn from examination and are canceled in this response.

It is noted that the amendments are made only to more particularly define the

invention and not for distinguishing the invention over the prior art, for narrowing the scope

of the claims, or for any reason related to a statutory requirement for patentability. It is

further noted that, notwithstanding any claim amendments made herein, Applicant's intent is

to encompass equivalents of all claim elements, even if amended herein or later during

prosecution.

Applicant gratefully acknowledges the Examiner's indication that claims 1-6, 14 and

20 have been allowed over the prior art of record. However, Applicant submits that all of the

claims are allowable.

Claim 17 stands rejected under 35 U.S.C. §102(b) as being unpatentable over

Bauchot, U.S. Pat. No. 5,970,062.

This rejection is respectfully traversed in view of the following discussion.

I.   THE CLAIMED INVENTION

The claimed invention (as defined, for example, by independent claim 17) is

directed to storing a transmission condition for packet concatenation, storing data

received from a terminal as uplink transmission packets, concatenating a plurality of

uplink transmission packets stored in the transmission buffer within a range satisfying

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the transmission condition for packet concatenation, to produce a concatenated uplink

transmission packet, and transmitting the concatenated uplink transmission packet to

the master station.

Conventionally, a multiple access communications system adds additional information

to the communication data to be transmitted. In the case of concatenating a plurality of

transmission data, additional information for indicating that there is concatenated data is

further added for transmission. By doing this, if the size of the additional information

becomes large compared to the size of the transmission data, the concatenating of a plurality

of transmission data for transmission suffers from a problem of degrading the utilization rate

of the multiple access lines. (Application at page 2, lines 8-15).

The claimed invention (e.g., as recited in claim 17), on the other hand, includes

storing a transmission condition for packet concatenation, and concatenating a plurality of

uplink transmission packets stored in the transmission buffer within a range satisfying the

transmission condition for packet concatenation, to produce a concatenated uplink

transmission packet. (Application at page 12, lines 3-8.)

II.   THE ALLEGED PRIOR ART REJECTIONS

35 U.S.C. § 102(b) Rejection over Bauchot, U.S. Pat. No. 5,970,062

The Examiner alleges that Bauchot, U.S. Pat. No. 5,970,062, (Bauchot), teaches the

invention of claim 17. Applicant submits, however, that Bauchot does not teach or suggest

each and every element and feature of the claimed invention.

Bauchot fails to teach or suggest each and every element and feature, specifically,

"*storing a transmission condition for packet concatenation,*" and, "*concatenating a plurality*

of uplink transmission packets stored in the transmission buffer within a range satisfying the

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transmission condition for packet concatenation, to produce a concatenated uplink

transmission packet."

Bauchot teaches that a Master Scheduler (84) entity running in an Access Point (18 or

20) is in charge of scheduling all the traffic originating in the different sources (the ATM

interfaces 26, see Fig. 4) of the wireless cell. (Column 8, lines 21-25.) Furthermore, the

"Master Scheduler must be aware of the traffic characteristics when any ATM connection is

set-up, and second that the Master Scheduler allocates on a regular basis the necessary

number of time slots required to reach the RBW traffic threshold. Different techniques can be

applied to ensure that the Master Scheduler is aware of the ATM connection traffic

characteristics." (Column 9, lines 19-25.)

It is clear from the teaching of Bauchot that the ATM cell fails to store "_a_

transmission condition for packet concatenation," since Bauchot teaches that "cell trains will

be transmitted in the different periods of the time frame, according to the scheduling policy

specified by the Master Scheduler." (Column 11, lines 16-19.) Furthermore, Bauchot fails to

teach the recitation of Applicant's claim 26, "_storing a transmission condition...in a_

dedicated memory," since no transmission condition is stored.

Therefore, Bauchot clearly teaches away from the ATMs "_storing a condition for_

packet transmission," and subsequently, "_concatenating a plurality of uplink transmission_

packets stored in the transmission buffer within a range satisfying the transmission condition

for packet concatenation."

Applicant respectfully requests that the Examiner reconsider and withdraw this

rejection since the prior art fails to teach or suggest each and every element and feature of

Applicant's claimed invention and pass this claim to allowance.

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III. FORMAL MATTERS AND CONCLUSION

In view of the foregoing, Applicant submits that claims 1-6, 14, 17 and 20-26, the

claims presently pending in the application, are patentably distinct over the prior art of record

and are in condition for allowance. The Examiner is respectfully requested to pass the above

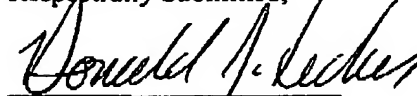application to issue at the earliest possible time.

Should the Examiner find the application to be other than in condition for allowance,

the Examiner is requested to contact the undersigned at the local telephone number listed

below to discuss any other changes deemed necessary in a telephonic or personal interview.

The Commissioner is hereby authorized to charge any deficiency in fees or to credit

any overpayment in fees to Attorney's Deposit Account No. 50-0481.

Respectfully Submitted,

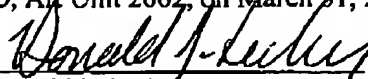Date: _March 31, 2006_

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<u>**CERTIFICATE OF TRANSMISSION**</u>

I certify that I transmitted via facsimile to (571) 273-8300 the enclosed Amendment
under 37 C.F.R. § 1.111 to Examiner PEZZLO, Art Unit 2662, on March 31, 2006.

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